

Annex to the accreditation certificate: N° 1/043 According to standard ISO/IEC 17025:2017 For a testing laboratory

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Valid until 11 November 2024

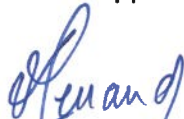
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Biology / Health / Forensic

Objects submitted for analysis	Characteristics or properties measured	Measurement principle and equipment	Analysis methods
(e.g. products, materials, samples, matrices, equipment)		(e.g. manual or automatic measurement)	(e.g. published, adapted, checked internally)
General Domain: LAB22 – Veterinary haematology			
Technical Domain: LAB22.1 – Hemocytology			
EDTA Whole blood cat, dog, horse, cow	Blood count and leucocyte differentiation	Sysmex XT-2000iV, flow cytometry	Optical count
EDTA Whole blood cat, dog, horse, cow	Manual blood smear differentiation	Light microscopy (Nikon)	Brightfield microscopy
EDTA Whole blood cat, dog	Reticulocytes	Sysmex XT-2000iV, flow cytometry	Optical count
General Domain: LAB21 – Veterinary biochemistry			
Technical Domain: LAB21.1 – General biochemistry			
Serum cat, dog, horse, cow	Sodium, Chloride, Potassium	Electrochemical detection of ions (automated system, Cobas 8000, Roche)	ISE
Serum cat, dog	ALT/GPT, Lipase DGGR	Spectrophotometry (automated system, Cobas 8000, Roche)	Enzymatic assay
Serum cat, dog, horse, cow	Creatinine, AST/GOT, Gamma-GT, CK (Creatine kinase), LDH, Cholesterol, Triglycerides	Spectrophotometry (automated system, Cobas 8000, Roche)	Enzymatic assay
Serum cat, dog, horse, cow	Blood Urea Nitrogen (BUN)	Spectrophotometry (automated system, Cobas 8000, Roche)	Kinetic enzymatic assay
Serum cat, dog, horse Fluorid-Plasma cat, dog	Glucose (fasting)	Spectrophotometry (automated system, Cobas 8000, Roche)	Enzymatic assay with Hexokinase
Serum cat, dog, horse, cow	Protein electrophoresis	Electrophoresis (SEBIA)	Capillary electrophoresis
Serum dog	Trypsin	Automatic immunoassay (Immulite)	CLIA

Objects submitted for analysis	Characteristics or properties measured	Measurement principle and equipment	Analysis methods
Serum cat, dog, horse, cow	Total protein Calcium Phosphorus Magnesium Alkaline phosphatase Albumin (Absolute value)	Spectrophotometry (automated system, Cobas 8000, Roche)	Colorimetric assay
Serum cat, dog	T4 total	Automatic immunoassay (Immulite)	CLIA
Serum cat, dog	TSH c	Automatic immunoassay (Immulite)	CLIA
Serum cat, dog, horse, cow	Progesterone	Automatic immunoassay (Immulite)	CLIA
Serum cat, dog	Cortisol	ELISA and related immunoassays (automated system, Cobas 8000, Roche)	ECLIA
General Domain: LAB4 – Veterinary serology			
Technical Domain: LAB4.1 – Infectious serology			
Serum Horse	Borrelia burgdorferi equine (Ab)	ELISA and related immunoassays (Virotech)	ELISA
Serum Dog	Borrelia burgdorferi canine (Ab)	ELISA and related immunoassays (Virotech)	ELISA
Serum Horse	Borrelia burgdorferi equine (blot)	Immunoblot (Virotech)	Immunoblot
Serum Dog	Borrelia burgdorferi canine (blot)	Immunoblot (Virotech)	Immunoblot
Serum Cat	FeLV (Ag), FIV (Ab)	FASTest FeLV-FIV (Megacor)	Immunochromatographic assay
Serum Cat	Coronavirus, feline (FIP) (Ab) Ab Vaccination VacciCheck CAT, Herpes, Parvo & Calici	ELISA and related immunoassays (Biogal)	ELISA
General Domain: LAB20 – Veterinary microbiology			
Technical Domain: LAB20.1 - Bacteriology			
Urine, fecal samples, swabs Dog, cat, cow, horse	Aerob, Anaerob Bacteria	Manual detection by culture	Internal method (SOP)
Pure isolate	Aerob, Anaerob Bacteria	Automated identification by Maldi-ToF (Bio Mérieux)	Mass spectrometry

Objects submitted for analysis	Characteristics or properties measured	Measurement principle and equipment	Analysis methods
		Automated identification by Vitek Vitek GN, GP, NH, YST, ANC	Colorimetric test
		Automated Antimicrobial susceptibility test by Vitek gram neg Vitek AST-GN97 and AST-GN96	Fluorescent AST
		Automated Antimicrobial susceptibility test by Vitek gram pos Vitek AST-GP80 and AST-GP79	Fluorescent AST
		Antimicrobial susceptibility test (manual test)	Agardiffusion
	Enterobacterales (ESBL/AmpC Detection)	Antimicrobial susceptibility test (manual test)	Inhibitor test/ Agar diffusion
	Confirmation of Carbapenemase	Manual identification	Colorimetric test
	PBP2a culture colony Test (MRSA)	Immunchromatographischer Membran- Schnelltest	Enzymatic assay
Technical Domain: LAB20.2 – Mycology			
Swabs, skin, hair, fur, squames Dog, cat, cow, horse	Dermatophytes	Manual detection by culture	Internal method (SOP)
Pure isolate	Dermatophytes	Manual identification by light microscopy	Bright field microscopy and phase-contrast microscopy with colorization using Lactophenol cotton blue
Pure isolate	Mold	Manual identification by light microscopy	Bright field microscopy and phase-contrast microscopy with colorization using Lactophenol cotton blue
Skin, hair, fur, squames Dog, cat, cow, horse	Malassezia spp.	Microbial characterization (manual test)	Biochemical colorization using gram stain
Urine, fecal samples, swabs Dog, cat, cow, horse	Yeast	Automated and manual inoculation Identification by Maldi-ToF	Mass spectrometry

Objects submitted for analysis	Characteristics or properties measured	Measurement principle and equipment	Analysis methods
Technical Domain: LAB20.3 – Parasitology			
Serum Dog	Leishmania spp. (Ab)	Indirekter Immunfluorescence Test (Megacor)	Immunofluorescence assay
Stool Samples horse	Identification of larvae	Microscopic detection	Baermann technique, Bright field microscopy
Stool Samples Cow, horse	Identification and count of parasite eggs	Microscopic detection	McMaster, Bright field microscopy
Skin, hair, fur, squames Dog, cat, cow, horse	Parasites	Microscopic detection (manual preparation)	Bright field microscopy and phase-contrast microscopy
Stool Samples Cow, horse, cat, dog	Giardia lamblia	Extraction of nucleic acids (EasyMAG, Biomérieux) Amplification (CFX96, BioRad) Detection (Seegene)	Multiplex, hydrolysis probes using MuDT™ technology based real-time PCR. DNA/RNA testing
	Cryptosporidium parvum		
	Entamoeba		